










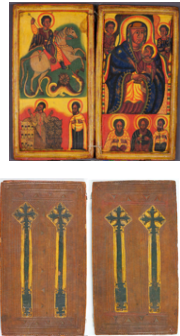

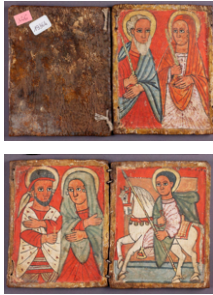





OBJECT INFORMATION	RECTO & VERSO IMAGES	DIMENSIONS	SUPPORTS: WOOD ID & FABRIC	GROUND PREPARATION	UNDERPAINTING	PAINT MEDIUM	PIGMENTS	INSCRIPTIONS	COATING & RETOUCHING	EXAMINATION & ANALYTICAL TECHNIQUES
IESMus4186 , mid-to late 15th century, triptych, <i>Virgin and Child Flanked by Archangels and Saints, Twelve Apostles and Saints, Prophets and Saints</i>		Closed: 25 9/16 × 20 1/16 × 2 5/8 in. (65 × 51 × 6.7 cm) Open: 25 3/8 × 40 3/8 × 1 7/8 in. (64.5 × 102.5 × 4.7 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black, and possibly black + indigo	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, iron earth (including hematite), indigo, orpiment, white ground and lead white; Inferred: carbon black	Yellow Gə'əz on red, orange, and burgundy; red Gə'əz on green; black Gə'əz on pale green	Never varnished	Visual examination, IRR imaging, X-radiography, XRF
IESMus4053 , mid-to late 15th century, diptych formed of triptych outer wings, <i>Equestrian Saints</i>		Closed: 20 3/16 × 13 13/16 × 1 11/16 in. (51.2 × 35.1 × 4.3 cm) Open: 20 3/16 × 27 1/16 × 1 1/16 in. (51.2 × 68.7 × 2.7 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black	Distemper on wood panel	Analyzed: vermilion, iron earth (including hematite), indigo, orpiment, white ground and lead white; Inferred: carbon black	Yellow Gə'əz on red	Oil resin?	Visual examination, IRR imaging, X-radiography, XRF, FORS. PREVIOUS NON-WAM ANALYSIS: Mirabaud et al: Visual examination, UV and IRR imaging, cross-sections
IESMus4126 , late 16th century, triptych, <i>Crucifixion, Entombment, Guards at the Tomb, Temptation in the Wilderness, Resurrection of Christ</i>		Closed: 22 13/16 × 17 3/8 × 2 1/16 in. (58 × 44.2 × 5.2 cm) Open: 22 13/16 × 34 11/16 × 1 7/16 in. (58 × 88.1 × 3.7 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied only to front surfaces, including edges	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, indigo, orpiment, white ground, mixed green (orpiment + indigo), verdigris (copper) green, iron green, iron earth (including hematite); Inferred: carbon black	Black Gə'əz on blue, yellow, brown, and ground	Never varnished	Visual examination, IRR imaging, X-radiography, XRF, FORS. PREVIOUS NON-WAM ANALYSIS: Weihs: pigments in green background, yellow cloak, blue cloth on crucified robber, and black devil
IESMus6617 , late 15th–early 16th century, triptych, <i>Virgin and Child Flanked by Archangels, Twelve Apostles and Saint George, Fifteen Prophets and Patriarchs</i>		Closed: 16 3/4 × 11 1/16 × 1 13/16 in. (42.5 × 28.1 × 4.6 cm) Open: 20 11/16 × 22 5/8 × 1 1/8 in. (52.5 × 57.5 × 2.9 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black, and possibly black + indigo	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, indigo, orpiment, white ground, orange (orpiment + vermilion), mixed green (orpiment + indigo); Inferred: carbon black	Black Gə'əz on red, yellow, and ground	Previously varnished?	Visual examination, IRR imaging, X-radiography, XRF

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IESMus4325 , late 15th–early 16th century, Niccolò Brancaloneon (?), diptych, <i>Virgin and Child Flanked by Angels, the Crucifixion</i>	 	Closed: 20 1/4 × 12 5/16 × 2 3/16 in. (51.5 × 31.3 × 5.6 cm) Open: 20 1/4 × 24 7/16 × 1 3/16 in. (51.4 × 62 × 3 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to front surfaces, including edges, and sides	Underpainting in carbon black, and possibly black + indigo	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, iron earth, indigo, orpiment, orange (orpiment + vermilion), mixed green (orpiment + indigo), white ground and lead white; Inferred: carbon black	Yellow Gə'əz on green and red	Varnish removed 1973 by Weihs; not analyzed but sheen indicates new varnish	Visual examination, IRR imaging, X-radiography, XRF
IESMus6996b , late 15th–early 16th century, right half of a diptych, <i>Saint George and Abba Gābrā Mār'awi</i>	 	9 3/16 × 8 7/16 × 11/16 in. (23.3 × 21.5 × 1.8 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to front surfaces and edges only	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, iron earth (including hematite), indigo, orpiment, white ground and lead white, mixed green (orpiment + indigo), gold; Inferred: carbon black	Black Gə'əz on red	Oil resin?	Visual examination, IRR imaging, X-radiography, XRF
IESMus4144 , ca. 1740–1755, triptych, <i>Apparition of the Virgin Mary at Dayr al-Maḡtas (Dābrā Məṭmaq)</i>	 	Closed: 14 7/16 × 12 15/16 × 1 5/8 in. (36.6 × 32.9 × 4.1 cm) Open: 14 3/8 × 24 × 2 3/16 in. (36.5 × 61 × 5.5 cm)	Wood panel with cloth interlayer. Frame edge not integral but applied. Additional wood strips top and bottom on center panel to support side panels.	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Visual ID: vermilion, iron earth (including hematite), indigo, orpiment, carbon black, white ground, unidentified green, crimson; X-ray ID: lead white	Black Gə'əz on red, yellow, and green	Not analyzed but sheen indicates varnish	Visual examination, IRR imaging, X-radiography, XRF, FORS

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IESMus3492 , late 17th–early 18th century, triptych, <i>Virgin and Child Flanked by Archangels, Kʷər'atä rə'əsu and St. George, St. Gäbrä Mämfäs Qəddus and Abba Arsanyos</i>		Closed: 6 11/16 x 4 3/4 x 1 1/2 in. (16.7 x 12.1 x 1.4 cm) Open: 6 11/16 x 8 15/16 x 1/4 in. (16.7 x 23.4 x 0.7 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all front surfaces and sides of central panel, front only of side panels	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion, iron earth (including hematite), indigo, orpiment, white ground, mixed green (orpiment + indigo); Inferred: carbon black	Black Gə'əz on red, green, and blue	Cleaned by Weihs 1973	Visual examination, IRR imaging, X-radiography, XRF, FORS
IESMus3703 , 18th century, diptych, <i>St. George Above St. Gäbrä Mämfäs Qəddus, Virgin and Child Flanked by Archangels Above Saints</i>		Closed: 9 3/4 x 5 1/2 x 1 5/16 in. (24.8 x 13.9 x 3.4 cm) Open: 9 3/4 x 10 13/16 x 1 5/16 in. (24.7 x 27.5 x 3.3 cm)	Wood panel with elaborately carved exterior doors and long sides, with orpiment coloration in carved crosses	Calcium sulfate layer in proteinaceous binder? Originally applied to front surfaces and edges only	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Analyzed: vermilion and organic red, orpiment, white ground, mixed green (orpiment + indigo), smalt blue, iron earth; Inferred: carbon black	None	Never varnished	Visual examination, IRR imaging, X-radiography, XRF, FORS
IESMus3893 , 17th century, diptych, <i>St. George, Virgin and Child</i>		Closed: 4 9/16 x 4 1/16 x 13/16 in. (11.6 x 10.3 x 2 cm) Open: 4 5/16 x 11 13/16 x 3/8 in. (11 x 30 x 1 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Visual ID: vermilion, iron earths, orpiment, indigo, white ground and lead white; Inferred: carbon black	Black Gə'əz on ground	Never varnished	Visual examination, IRR imaging, X-radiography, XRF, FORS
TOLEDO_2021.38 , ca. 1500, diptych (possibly former triptych?), <i>Saint George and Four Saints</i>		Closed: 4 9/16 x 3 5/8 x 9/16 in. (11.6 x 9.2 x 1.4 cm) Open: 4 9/16 x 7 5/16 x 1/4 in. (11.6 x 18.5 x 0.6 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black, and possibly black + indigo	Distemper: animal glue protein (not yet analyzed)	Analyzed: purple (iron earth hematite), indigo; Visual ID: vermilion, orpiment, carbon black, white ground, pale orange (orpiment + vermilion?), mixed green (orpiment + indigo)	Black Gə'əz on red	Never varnished	Visual examination, IRR imaging, X-radiography, FORS

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PEM_E67887, 17th century, triptych, <i>Virgin and Child, Descent into Limbo, Crucifixion</i>		Open: 13 7/8 × 13 3/8 × 3/4 in. (35.24 × 33.97 × 1.91 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all front and side surfaces, and top and bottom of backs of panels	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Visual ID: vermilion, indigo, orpiment, carbon black, white ground, green (orpiment + indigo?)	None	Never varnished	Visual examination, IRR imaging, X-radiography
PEM_E67889, 15th or early 16th century, left half of a diptych, <i>Virgin and Child</i>		13 × 8 5/8 × 1 in. (33.02 × 21.91 × 2.54 cm)	Wood panel	Calcium sulfate layer in proteinaceous binder? Originally applied to all surfaces: front, back, and sides	Underpainting in carbon black	Distemper: animal glue protein (not yet analyzed)	Visual ID: vermilion, indigo, orpiment, carbon black, white ground, earth brown, orange (orpiment + vermilion?), unidentified green	Black Gø' øz on red	Not analyzed but sheen indicates possible coating?	Visual examination, XRF, FORS
VMFA_2012.304, 18th century, wall painting fragment, <i>Last Supper</i>		16 3/4 × 24 × 1 1/8 in. (42.55 × 60.96 × 2.86 cm)	Cotton or linen (not yet analyzed) mounted to pieces of wood	Calcium sulfate layer in proteinaceous binder?	Non-WAM Exam results pending	Distemper: animal glue protein (not yet analyzed)	Visual ID: vermilion, indigo, orpiment, carbon black, white ground, iron earth	None	Varnished	Visual examination, FORS. NON-WAM ANALYSIS: VMFA: XRF results to come