

**Ordering information (roll dimensions 300 m x 40 mm)**

TubeMarker™ Ribbon	Metallic Blue	White	Black, Universal	Black
Code	4ti-0686	4ti-0688	4ti-0689-1	4ti-0689
Exemplary print				

**Chemical Resistance**

Acetone, pure	✓	✓	✓	✓
DMSO	✓✓ (70%)	✓✓ (100%)	✓✓ (80%)	✓✓ (100%)
Ethanol	✓✓ (70%)	✓✓ (70%)	✓✓ (100%)	✓✓ (100%)
Hematoxylin, pure	✓✓	✓✓	✓✓	✓✓
Isopropanol	✓✓ (70%)	✓✓ (70%)	✓✓ (70%)	✓✓ (70%)
Methanol	✓✓ (98.5%)	✓✓ (98.5%)	✓✓ (98.5%)	✓✓ (98.5%)
Xylene	✗	✗	✗	✗
Chloroform	✗	✗	✗	✗

*Test Method: Chemical pipetted onto print surface and rubbed via a cloth to test print stability*

**Thermal Resistance**

-196°C [liquid nitrogen]	✓	✓	✓	✓
-80°C [freezer]	✓	✓	✓	✓
100°C [boiling water]	✓	✓	✓	✓
Mechanical abrasion	✓	✓	✓	✓

*Test Method: Placed in the respective environment and print surface tested once removed (rubbing via a cloth)*

**Compatible Tube Material and Surface**

Cryo vials	+	+	+	+
Frosted and white writing fields, smooth	+	+	+	+
Frosted and white writing fields, rough	-	-	-	-
Glass	-	-	-	-
Graduations	-	-	-	-
Polycarbonate	+	+	+	+
Polyethylene	+	+	+	+
Polypropylene	+	+	+	+
Polystyrene	+	+	+	+
-20°C frozen tube	(+)	(+)	(+)	(+)

✓✓ highly resistant    ✓ resistant    ✗ not resistant    + compatible    (+) compatible depending on tube    - not compatible