

SPECIFICATION SHEET



ClearCell® FX1 system

Automated Label-Free Liquid Biopsy Solution

The ClearCell® FX1 system, driven by the CTChip® FR inertial focusing microfluidic biochip, is one of the world's first automated and label-free cell retrieval systems that harvests wholly-intact and viable rare circulating tumor cells (CTCs) from a single blood draw in less than an hour. The label-free cell retrieval approach ensures an unbiased enrichment of rare circulating tumor cells that are ready to be integrated with a wide range of downstream applications.

Specifications

ClearCell® FX1 Instrument	
Automated processes	System priming, blood cells separation, target cell elution, system cleaning
Sample format	Up to 7.5 mL of blood
Blood collection tubes	<ul style="list-style-type: none"> ▪ Streck Cell-free DNA BCT® ▪ EDTA blood collection tube
System processing time	1.5 hour, including cleaning step
Operating environment	<p>For indoor use only.</p> <p>Temperature: 18-32°C (65-90°F); humidity: 20-60%.</p> <p>Clearances: 10 cm (4 in.) on the sides, 30 cm (12 in.) on top.</p>
Power specifications	<ul style="list-style-type: none"> ▪ Voltage: 100-240 VAC ▪ Current: 1 A ▪ Frequency: 50/60 Hz ▪ Power rating: 96 W
Weight	<ul style="list-style-type: none"> ▪ Crated: 65 kg (144 lb) ▪ Freestanding: 35 kg (78 lb)
Dimensions	<ul style="list-style-type: none"> ▪ Crated: D74 x W68 x H87 cm (D30 x W27 x H35 in.) ▪ Freestanding: D40 x W51 x H51 cm (D16 x W20 x H20 in.)