



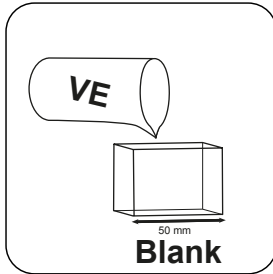
Determination of Chromium, differentiated, with powder packs

Select the method on the device.

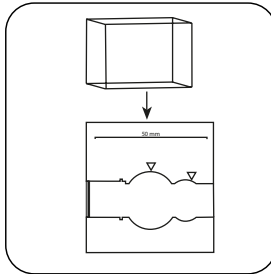
In addition, choose the test: differentiated

For testing of **Chromium, differentiated**, carry out the described **digestion**.

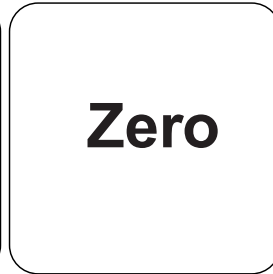
For this method, a ZERO measurement does not have to be carried out every time on the following devices: XD 7000, XD 7500



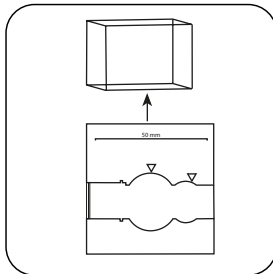
Fill **50 mm vial** with **deionised water**.



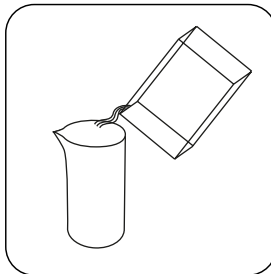
Place **sample vial** in the **sample chamber**. • Pay attention to the positioning.



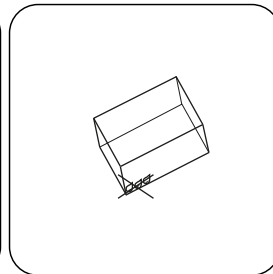
Press the **ZERO** button.



Remove **vial** from the **sample chamber**.

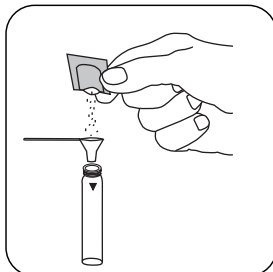


Empty vial.

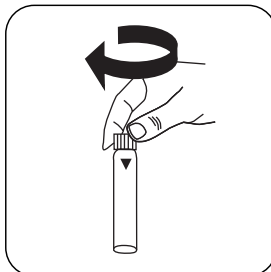


Dry the vial thoroughly.

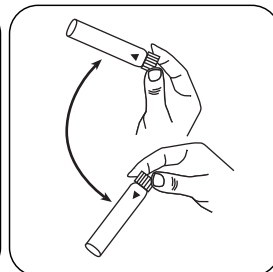
For devices that require **no ZERO measurement**, start here.



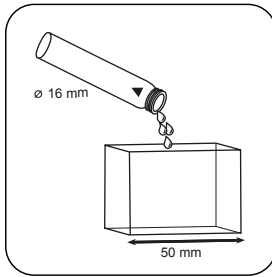
Place **Chromium HEXA-VALENT powder packs** in the **digestion vial**.



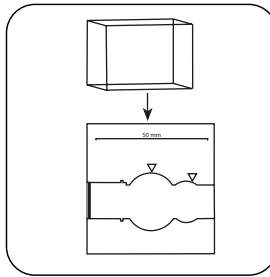
Close vial(s).



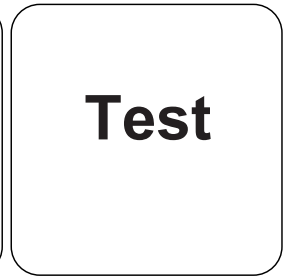
Invert several times to mix the contents.



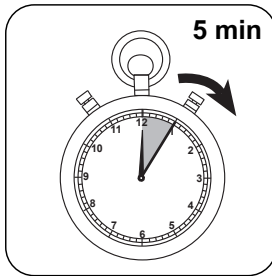
Fill 50 mm vial with prepared sample.



Place **sample vial** in the sample chamber. • Pay attention to the positioning.

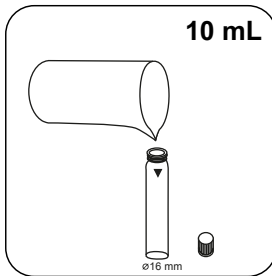


Press the **TEST** (XD: **START**) button.

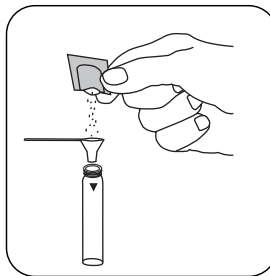


Wait for **5 minute(s) reaction time**.

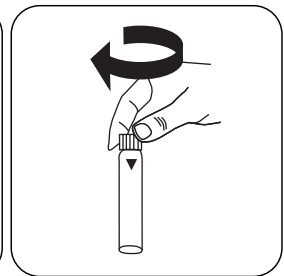
Once the reaction period is finished, the measurement takes place automatically.



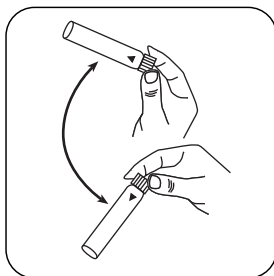
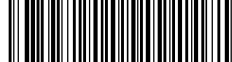
Fill a **second vial** with **10 mL sample**.



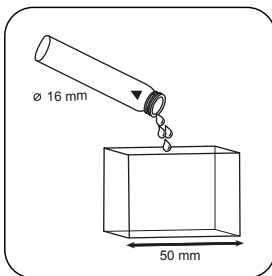
Add **CHROMIUM HEXA-VALENT powder pack**.



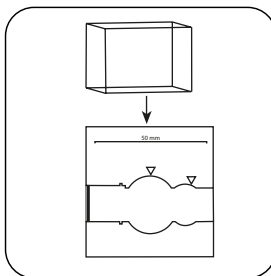
Close vial(s).



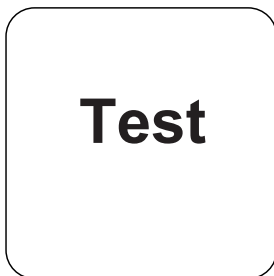
Invert several times to mix the contents.



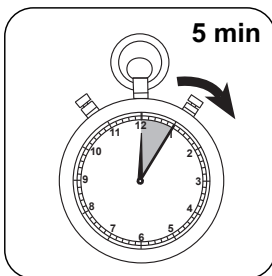
Fill 50 mm vial with prepared sample.



Place **sample vial** in the sample chamber. • Pay attention to the positioning.



Press the **TEST** (XD: **START**) button.



Wait for **5 minute(s) reaction time**.

Once the reaction period is finished, the measurement takes place automatically.

The result in mg/L Cr(VI); mg/l Cr(III); mg/l Cr Total Chromium appears on the display.

Chemical Method

Diphenylcarbazide

Appendix

Calibration function for 3rd-party photometers

Conc. = a + b•Abs + c•Abs² + d•Abs³ + e•Abs⁴ + f•Abs⁵

	□ 50 mm
a	-6.54461 • 10 ⁺⁰
b	2.44266 • 10 ⁺²
c	6.29996 • 10 ⁺⁰
d	
e	
f	

Interferences

Persistent Interferences

1. For information about interferences through metals and reductive or oxidizing agents, especially in strongly polluted water, see DIN 38 405 – D 24 and Standard Methods of Water and Wastewater, 20th Edition; 1998.

Derived from

DIN 18412
US EPA 218.6

⁹⁾ Reactor is necessary for COD (150 °C), TOC (120 °C) and total -chromium, - phosphate, -nitrogen, (100 °C)