



FITZ SCIENTIFIC - USER GUIDE TO SELECTING THE CORRECT MEDIUM FOR ANALYSIS

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SCIENTIFIC

MONITORING & TESTING

Introduction

This guide outlines the various mediums analysed by Fitz Scientific. It will help you distinguish between each medium so you can choose correctly when creating a Chain of Custody. Selecting the correct medium is critical for the Certificate to be reported accurately. The medium chosen needs to agree with the Sample Test Parameter you need analysed.

Please see below the drop-down menu of mediums. Drinking Water (Potable) is already selected so this needs to be changed to the appropriate Medium for your specific sample Test Parameters.

Medium (Required)

Drinking Water (Potable) ▼

- Drinking Water (Potable)
- Ground Water
- Surface Water
- Other Water
- Effluent
- Solids Construction & Demolition Waste (CDW)
- Solids Biodegradable Waste (BDW)
- Solids Recycled Aggregate (RA)
- Solids Other
- Sludge
- Soil
- Air
- Dust
- Swab
- Food

If your sample is a **Soil or Solid Medium**, the following are the mediums available.

Solids Construction & Demolition Waste (CDW)

Solids Biodegradable Waste (BDW)

Solids Recycled Aggregate (RA)

Solids Other

Sludge

Soil

If your sample looks like...	And it came from...	Select Medium:
Mix of Concrete, Wood, Plastics, Soil, Metals	A building site or demolition project	Solids Construction & Demolition Waste (CDW)
Food waste, green waste, paper	A brown bin or composting facility	Solids Biodegradable Waste (BDW)
Crushed stone, brick, asphalt	A road project or processing facility	Solids Recycled Aggregate (RA)
Anything else (Ash, Dust, etc), silt	An industrial process or unknown source	Solids Other
Very wet, mud-like consistency	A water/ sewage plant or industrial plant	Sludge
Natural Dirt, Earth, Clay, Loam, Sand, Excavated Earth, Stone, Rubble	A greenfield, garden, or farm	Soil

If your samples is a **Water Medium**, the following are the mediums available.

Drinking Water (Potable)

Ground Water

Surface Water

Other Water

Effluent

If your sample looks like...	And it came from...	Select Medium:
Clear, Transparent, Tap Water	Private Well or Public Mains Supply	Drinking Water
Water pumped from a borehole	Below the Earth's surface	Ground Water
Rainwater, Runoff Water, Open Body of Water	Lake, River, Reservoir, Stream, or Stormwater	Surface Water
Any other water (e.g. Brine)	Any other source.	Other Water

Wastewater or Industrial Discharge	Treatment Plant, Pipe, or Septic Tank.	Effluent
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All Other Samples

Air

Dust

Swab

Food

If your sample looks like...	And it came from...	Select Medium:
An agar plate (settle plate)	Open exposure in a room	Air
A powder, fine dust	Construction, the atmosphere, the environment	Dust
A swab and buffer	Environmental surface	Swab
Edible product	Food Factory	Food

Reasons why it is very important to select the correct Medium when logging samples:

- Samples may be delayed at the login or reporting stage.
- A deviancy on holding time may appear on the certificate.
- The results maybe reported incorrectly.
- A supplementary cert may need to be issued at an extra cost.

Please contact our Customer Services team if you need any further clarification on choosing the correct medium type by emailing customerservice@fitzsci.ie

More User Guides are available at <https://www.fitzsci.ie/customer-services>