# A component-based guess overrides the exact image



## QUESTION

What is the specific name of the set of apparatus shown in the image?



Input image

## CONDENSED TRAJECTORY

**[Initial Interpretation]**
Treat the pear-shaped vessel as a separatory funnel and
the long glass tubes as burettes.

**[Tool Call] web_search("separatory funnel burette ... apparatus set")**

**[Result]**
Find generic descriptions of titration, volumetric analysis,
and liquid-liquid extraction equipment.

**[Tool Call] reverse_image_search(input:1)**

**[Result]**
Five images load. The first two are Smithsonian collection
images labeled Photosynthometer; one is the exact input photograph.
Other results show different scientific apparatus.

**[Incorrect Decision]**
Describe photosynthometers as merely "similar configurations."
Keep the initial chemistry-kit interpretation and claim that
the pictured set has no single standardized specific name.

**[Tool Calls]**
**web_search("volumetric analysis apparatus set")**
**reverse_image_search(input:1)**
**image_search("separatory funnel burette clamps educational kit")**

**[Result]**
The repeated reverse search fails. Five commercial images then
load, showing funnels, clamps, and chemistry glassware sets.
These general similarities reinforce the earlier interpretation.

**[Final Answer]**
"Volumetric Analysis and Liquid-Liquid Extraction Apparatus Set."
The final report describes a generic titration and extraction kit
instead of the identified museum instrument.