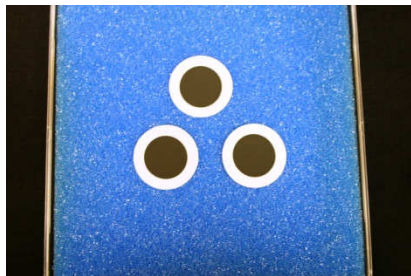


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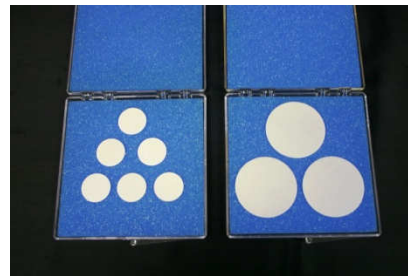
ADVANCED MATERIALS

SOFC Cells and Electrolytes

Complete and half SOFC cells, and electrolyte supports are available in a variety of material compositions suitable for applying production or development electrodes, or for test system correlation / validation.



Half Cells – 24mm



Electrolytes, 24mm and 50mm

Cells	51010	51020	51030	51040
Support Structure	Electrolyte	Electrolyte	Anode	Anode
Anode	Ni/6ScSZ	Ni/6ScSZ	Ni/6ScSZ	Ni/6ScSZ
Electrolyte	6ScSZ	6ScSZ	6ScSZ	6ScSZ
Cathode	6ScSZ/LSM	none	6ScSZ/LSM	none
Diameter	24mm			

Electrolytes	52010/52020	52030/52040	52050/52060
Composition	8YSZ	6ScSZ	10ScSZ
Thickness min. (+/- 20%)	100 μ	75 μ	75 μ
Diameter	24mm and 50mm		

Recommended Processing Conditions

Franklin SOFC Cells and Electrolytes are an ideal platform for research and development projects to optimizing electrode composition (one-part or multi-part), configuration, microstructure, thickness and infiltrated catalyst effects.

Custom compositions and configurations are also available.

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