

1. Record Nr.	UNINA9910958727503321
Titolo	PCR technology : current innovations // edited by Tania Nolan, Stephen A. Bustin
Pubbl/distr/stampa	Boca Raton, Fla., : CRC Press, 2013 Boca Raton : , : Taylor & Francis, , 2013
ISBN	0-429-11045-6 1-4398-4813-0
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (457 p.)
Altri autori (Persone)	NolanTania BustinStephen A. <1954->
Disciplina	572.8/636
Soggetti	DNA polymerases Transferases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	pt. 1. Template preparation -- pt. 2. Reaction components -- pt. 3. Instruments -- pt. 4. Design, optimization, QC, and standardization -- pt. 5. Data analysis -- pt. 6. Applications.
Sommario/riassunto	A technique used to amplify the number of copies of a specific region of DNA, the polymerase chain reaction (PCR) is at the forefront of the dramatic development of biochemistry. This text provides the tools for developing innovative approaches to using this leading technology. It includes theoretical considerations, discussions, and a selection of state-of-the-art techniques for mutation studies, clinical diagnosis, and the detection of food-borne pathogens. This edition also discusses the preparation of PCR experiments, includes examples of analytical PCR divided into qualitative and quantitative applications, and explores preparative methods that address DNA generation for further analysis and in vitro evolution--Provided by publisher.